

Title (en)
Bicycle display device

Title (de)
Fahrradanzeigevorrichtung

Title (fr)
Dispositif d'affichage pour bicyclette

Publication
EP 0889302 A3 20000419 (EN)

Application
EP 98112083 A 19980630

Priority
JP 19199797 A 19970702

Abstract (en)
[origin: EP0889302A2] **Objective** To provide a bicycle display device allowing operations to be checked with a single display device and also allowing the source of trouble to be readily identified during malfunctions. **Structure** Comprises display means 51 having a plurality of display elements; display control means 10 and 111 for processing the sensor signals from sensors 31 through 33 that sense the states of various bicycle components input terminals 31 through 33 and displaying the desired data on the aforementioned display means 51; at least one operating mode switch 21, 22 for switching the operating mode of the display control means; and at least one display mode switch 25 for switching the type of data displayed by the display control means on the display means 51; wherein the operating modes of the display control means include -- in addition to normal mode -- a display diagnostic mode for checking whether or not the display elements are operating properly, and an input diagnostic mode for checking whether or not the sensor signals from the sensors and the switches are operating properly. <IMAGE>

IPC 1-7
G01C 22/00; **B62J 39/00**

IPC 8 full level
G01D 7/00 (2006.01); **B62J 99/00** (2009.01); **B62M 25/08** (2006.01); **G01C 22/00** (2006.01); **G01D 18/00** (2006.01)

CPC (source: EP US)
B62J 50/22 (2020.02 - EP US); **B62M 25/08** (2013.01 - EP US); **G01C 22/002** (2013.01 - EP US)

Citation (search report)
• [DY] US 4071892 A 19780131 - GENZLING CLAUDE
• [Y] US 4393796 A 19830719 - DUNN WILLIAM H, et al
• [A] EP 0318461 A2 19890531 - OMRON TATEISI ELECTRONICS CO [JP]

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DE10353748A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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EP 0889302 A2 19990107; **EP 0889302 A3 20000419**; **EP 0889302 B1 20020911**; CN 1138665 C 20040218; CN 1205955 A 19990127; DE 69807794 D1 20021017; DE 69807794 T2 20030814; JP 3125988 B2 20010122; JP H1123330 A 19990129; TW 445225 B 20010711; US 6216060 B1 20010410

DOCDB simple family (application)
EP 98112083 A 19980630; CN 98115616 A 19980630; DE 69807794 T 19980630; JP 19199797 A 19970702; TW 87110188 A 19980624; US 10886598 A 19980701